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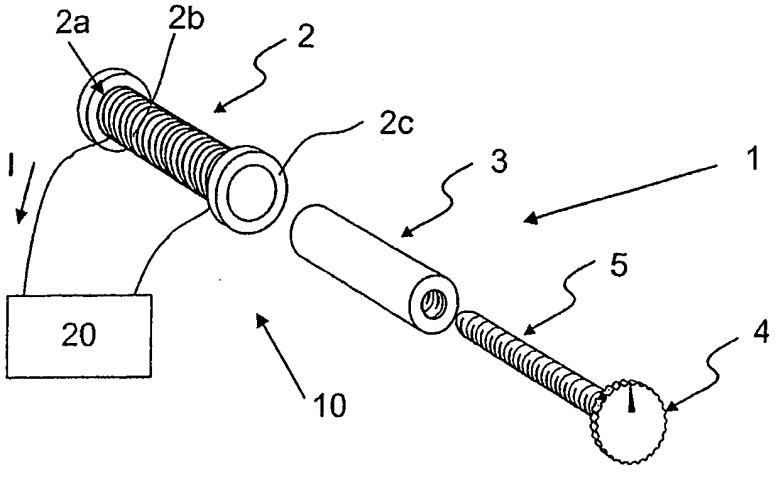
(54) Title: A TEMPERATURE SET POINT ADJUSTING AND A TEMPERATURE OF AN ENVIRONMENT MEASURING SYSTEM FOR A COOLING SYSTEM, A METHOD OF ADJUSTING THE TEMPERATURE SET POINT AND MEASURING THE TEMPERATURE OF AN ENVIRONMENT AND A SENSING ASSEMBLY



(57) Abstract: A system of adjusting the temperature set point of a cooling system and measuring the temperature of an environment, a temperature sensing assembly (1) for monitoring, a method of measuring and adjusting the temperature set point are described. The a temperature set point adjusting and a temperature of an environment measuring system for a cooling system comprises a sensing assembly (1), a processing unit (20), the sensing assembly (1) comprising a ser of winding turns (2), an interaction element (3) detachably associable with the set of turns (2), the set of turns (2) being subjected to a sampling voltage (Vp) and having a resistance (RS) and the system (10) measuring the temperature of the environment (Ts) from the alteration of the resistance (Rs) of the set of turns (2). The adjustment of the temperature set point of the environment (Ts) is effected from the displacement of the interaction element (3) at the set of turns (2), this adjustment of set point being monitored by the processing unit (20) from the alteration of the variable inductance (L_s) of the set of turns (2).

WO 2005/052712 A1